

World Organisation for Animal Health

SEACFMD Laboratory Network Meeting

2026 Country Report (Vietnam)

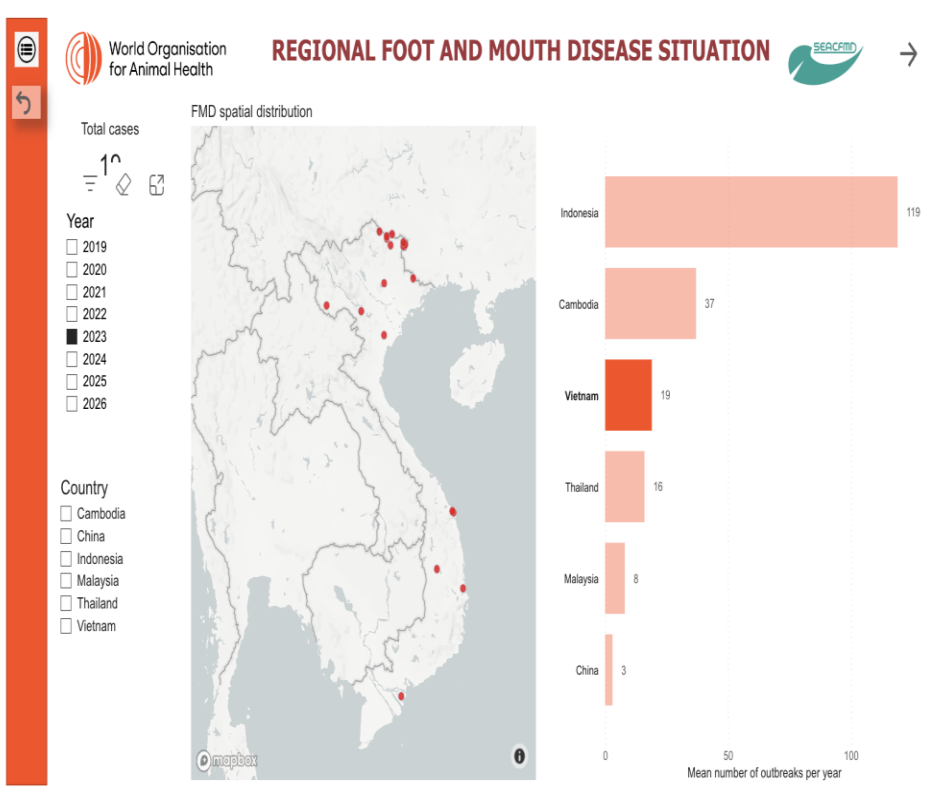
[Tran Minh Tan
National Center for Veterinary Diagnosis No. 2]

10-11 November 2026
Manila, The Philippines

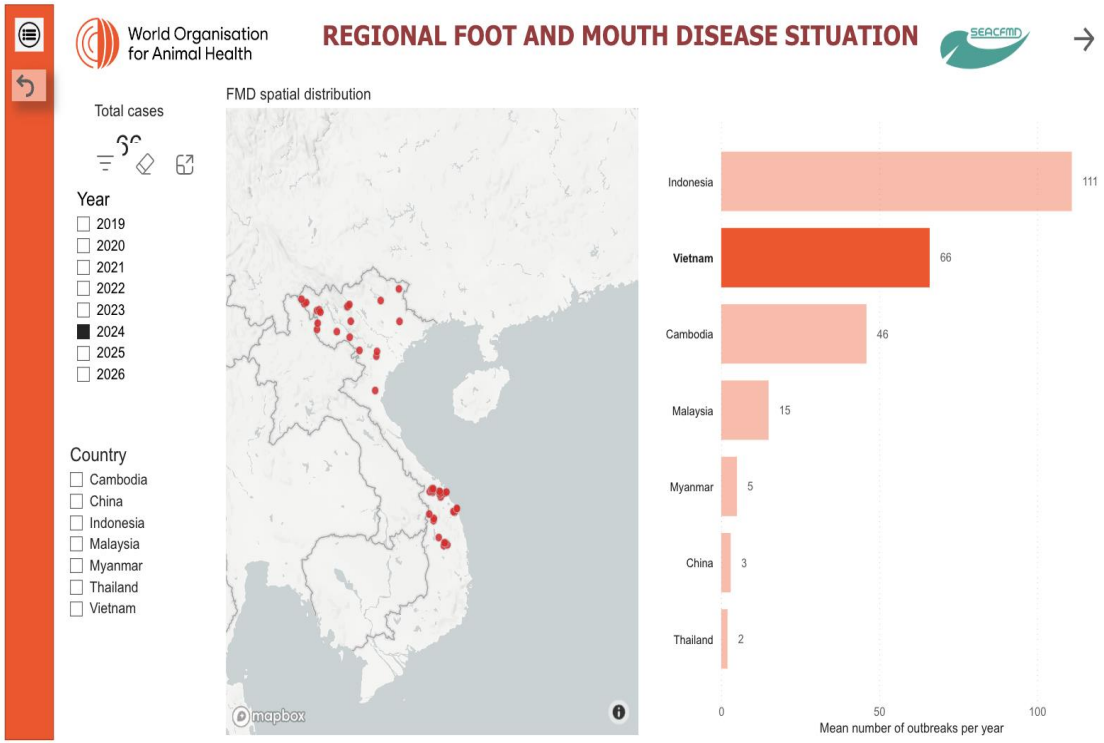
BRIEF FMD SITUATION :

Please describe briefly FMD situation in 2023-2026 by simple table, graph or maps

FMD Situation Dashboard



FMD Situation Dashboard

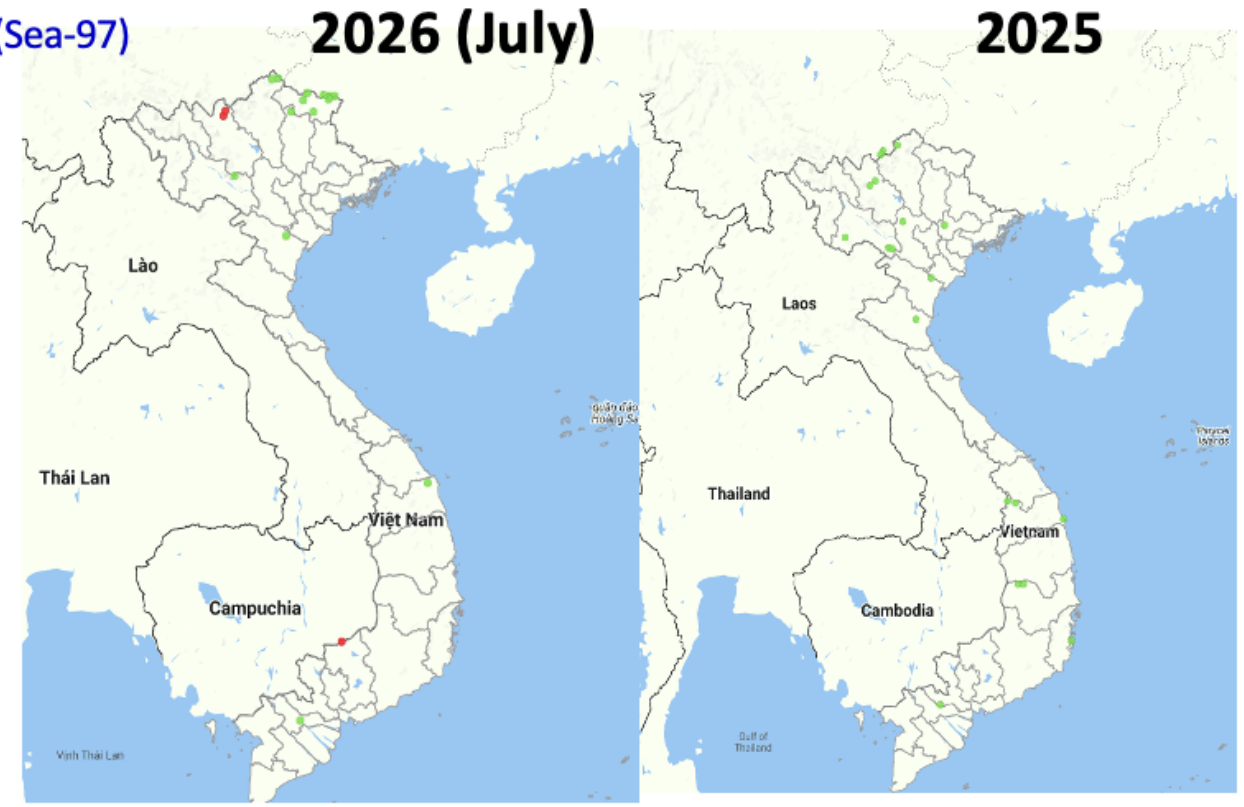


BRIEF FMD SITUATION :

Please describe briefly FMD situation in 2023-2026 by simple table, graph or maps

2025: FMDV serotype O (Mya-98 & Ind2001e)
2026: FMDV serotype O (Ind2001e) and serotype A (Sea-97)

Situation	2025	July 2026
Number of outbreaks	19	16
Number of provinces affected	11	8
Total infected	473	198
Total cattle,pig deaths and destroy	1316	1190



Source: Map from VAHIS Vietnam

World Organisation for Animal Health

SEACFMD

Surveillance

NS Antibody by ELISA

	2021	2022	2023	2024	2025
No. Sample	10,835	17,403	20,665	15,015	9,689
No. Positive	248	413	619	350	206
% Positive	2,29	2,37	3,00	2,33	2,13

Surveillance

Post-vaccination monitoring 2025

	Serotype O	Serotype A
No. Samples	36,084	2,387
Positive	31,851	2,167
% Positive	88,26 %	90,78 %

Active Surveillance: 2026 SAT1 only (cont)

- Ongoing Surveillance Activity:

Active surveillance is continuously ongoing during the remaining two months of 2026.

- Targeted High-Risk Areas:

Sampling efforts are prioritized and concentrated in **high-risk zones**, particularly along **border provinces with neighboring countries**.

- Objective:

Enhance early detection and risk monitoring for potential SAT1 incursion and transboundary FMD transmission.

No. Sample	184
Serotype O (+)	7
Serotype A (+)	17
Serotype SAT1 (+)	0

Current Projects and Programmes Supporting Laboratory Capacity Building

Project / Programme	Implementation Period	Main Focus Areas	Donor / Supporting Organisation	Laboratory Capacity-Building Activities / Outputs
National Plan for disease control & food safety for the period 2023-2030	2025-2030	Develop databases and disease-free zones	Government Budget	-Active/passive serological surveillance -Outbreak investigation & serotyping -Post-vaccination monitoring (PVM)
Asia-Pacific Placements and Laboratory Leadership (APPLLe)	2023–2027	Laboratory capacity building, diagnostic capability, molecular sequencing, laboratory leadership and regional collaboration	Australian Department of Foreign Affairs and Trade (DFAT); implemented by CSIRO – ACDP	Laboratory placements, technical training, ASF diagnostic capacity, MinION sequencing, data analysis, biosafety

Important changes since 2023 SEACFMD LabNet meeting

1. Emergence & Global Spread of Serotype **SAT1**

2. **Serotype A** has re-emerged in 2026 after being silent in previous years, posing new challenges for regional vaccine matching and immunity coverage.

3. Dominance of **O/ME-SA/Ind-2001e** strain across multiple provinces, alongside sporadic circulation of **O/SEA/Mya-98**.

4. Standardized RT-PCR and real-time RT-PCR protocols for rapid serotyping directly from clinical samples across sub-national veterinary laboratories.

Best Practices and Experiences to Share

1. Synergistic Multi-Source Funding for Disease Control:

Efficiently combining **Central & Local Government Budgets** with private sector contributions (commercial farms) to sustain surveillance coverage.

2. Standardized Sample Collection & Transport Protocol:

Strengthened field-to-lab cold chain network, ensuring high-quality epithelial and oral swab samples for virus isolation and sequencing.

3. Molecular Surveillance to Guide Targeted Vaccination:

Active laboratory role in outbreak confirmation, serotyping, and genome sequencing to guide dynamic, region-specific vaccine selection matching field strains

Collaboration and network needs

1. Vaccine Matching & Antigens Strain Selection:

Regular submission of field isolates to WOAH Reference Laboratories for vaccine matching studies (r1-value evaluation) against newly emerging strains.

2. Full Genome Sequencing Capacity:

Technical support and training on Next-Generation Sequencing (NGS) to monitor lineage evolution and transboundary movement of FMDV.

3. Regional Proficiency Testing (PT) & QA/QC:

Continued participation in annual SEACFMD ring trials for serological and molecular diagnostic proficiency.

2026–2028 way forward

PROPOSED ACTION

Priority Action	Expected Result	Regional Support / Collaboration Needed
1. Update National Vaccine Strain Selection	High protective immunity matching current circulating strains (O/Ind-2001e, A/Sea-97, SAT1)	Assistance from WOAH Reference Labs for vaccine matching tests (r_1 value)
2. Advance Molecular & Sequencing Capabilities	Early detection of novel sub-lineages and genomic variation	NGS training workshops and bioinformatic analytical tools support
3. Strengthen Border Surveillance & Rapid Response	Reduced risk of transboundary FMD strain introduction	Joint cross-border epidemiological and laboratory workshops



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THANK YOU
Cảm ơn